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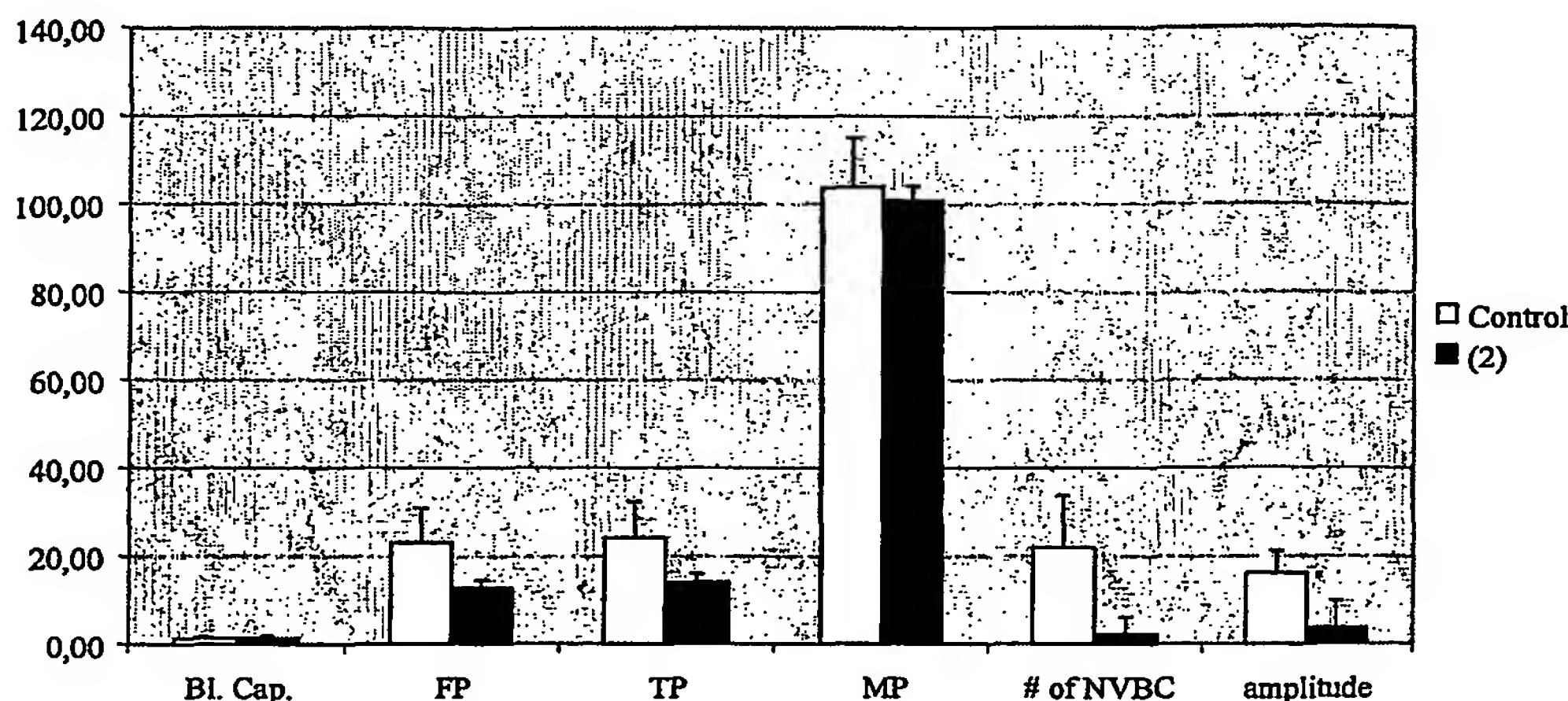
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(54) Title: 1,3-DIACLYATED,26,27-ALKYL/HALOALKYL VITAMIN D<sub>3</sub> COMPOUNDS AND METHODS OF USE THEREOF



(57) Abstract: The invention provides (1,3)di-acylated vitamin D<sub>3</sub> analogs of cholecalciferol, substituted at carbon (20) with methyl or cyclopropyl wherein carbon (16) is a single or double bond, and carbon (23) is a single, double, or triple bond. Various alkyl or haloalkyl substitutions are incorporated at carbon (25). The invention provides pharmaceutically acceptable esters, salts, and pro-drugs thereof. Methods for using the compounds to treat vitamin D<sub>3</sub> associated states, and pharmaceutical compositions containing the compounds are also disclosed.

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